

## **New results from the gauge/string duality: Quark energy loss and anisotropic plasmas**

*Monday, 30 August 2010 15:40 (1 hour)*

I will describe two recent results in the string description of strongly coupled gauge theory plasmas. The first one is a new mechanism whereby a quark loses energy by Cherenkov-radiating mesons in the plasma. The second is a gravity solution dual to the N=4 SYM plasma in an anisotropic state. I will discuss implications of these results for heavy-ion collision experiments.

**Primary author:** Prof. MATEOS, David (ICREA Barcelona)

**Presenter:** Prof. MATEOS, David (ICREA Barcelona)